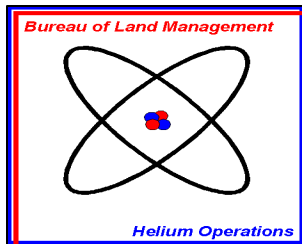


Bureau of Land Management

Amarillo Field Office Helium Operations

Statistical Report
for
November - 2002



Distribution:

Fluid Minerals Group Manager, Washington Office
New Mexico State Director
Associate State Director
Petroleum Engineer
Field Manager, Amarillo Field Office
Division Chiefs (3)
Team Leaders
-Federal Leased Lands
-Gas Analysis
-Resources Evaluation
-Natural Gas Engineering

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Amarillo, Texas

Issued: February 4, 2003

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Approved for distribution: Nelson R. Bullard /s/

Date: 11/27/2002

Table 1 - Summary of Helium Operations
November - 2002

In Kind Sales	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind	Charges Billed (\$)**
Total month	0	0	0	0	0	0	0	0	\$0
Total FYTD	0	0	0	0	0	0	0	0	\$0
Total CYTD	87,362	3,605	0	18,955	16,641	22,255	148,819	146,514	\$7,547,030

In Kind Transfers	Month	FYTD	CYTD	Cumulative
Transferred	17,076	68,041	211,119	993,373
Volume outstanding	13,713			

Purchased Helium	Helium-Gas Mixture	Month Helium Percent	Helium	Month Low Purity Helium	FYTD	Month Below 50% Helium	FYTD	FYTD	CYTD Contained Helium	Cumulative
Total purchased										32,176,145
Purchased helium produced / transferred			17,076					68,041	211,119	2,978,713
Balance of purchased helium in storage										29,197,432
Private Plant Activity										
Accepted in storage system	67,992	67.14%	45,651	2,111	3,510	(307)	(454)	96,917	537,454	7,255,093
Redelivered from storage system	(261,160)	68.60%	(179,153)	0	0	4	4	(343,028)	(1,845,431)	(9,999,083)
Total apparent crude produced^	211,118	71.80%	151,580					317,536	1,490,888	NA
Total apparent crude refined^	(354,505)	69.97%	(248,037)					(489,330)	(2,429,659)	NA

Storage Contract Activity	Metered Gas					Transferred Gas		Stored Helium	Charges Billed	
	Gross Gas	Helium	Helium			Helium		EOM	Dollars**	
	Month		FYTD	CYTD	Cumulative	Month	Cumulative		Month	FYTD
Crude Acquired	67,297	45,344	96,463	535,063	24,629,684	54,829	24,908,030			
Crude Disposed	261,152	179,149	343,024	1,845,307	21,824,708	37,753	23,914,388			
Grade-A Rdlvrd	0	0	0	0	1,427,554	0	0			
Net/Balance	(193,855)	(133,805)	(246,561)	(1,310,244)	1,377,422	17,076	993,642	1,677,218	\$4,664	\$364,664

Bush Dome Reservoir Operations	Month		Fiscal Year		Since Start of Conservation Program		Since Field Discovery	
Conservation gases from all sources	Gross	Net	Gross	Net	Gross	Net	Gross	Net
In underground storage, beg. of period	42,997,190	30,987,577	43,146,344	31,097,065	490,620	490,620	0	0
Net Activity	(184,633)	(136,300)	(333,787)	(245,788)	42,321,937	30,360,657	42,812,557	30,851,277
Total in underground storage	42,812,557	30,851,277	42,812,557	30,851,277	42,812,557	30,851,277	42,812,557	30,851,277

Native Gas				
Total in place, beg. of period	208,706,774		208,721,080	265,724,755
Net Activity	(15,579)			
Total in place, end of month	208,691,195			

Native Gas plus Conservation Gases				
Total gases in place, beg. of period	251,703,964		251,867,424	266,215,375
Net Activity	(200,212)		(363,672)	(14,711,623)
Total gases in place, end of month	251,503,752		251,503,752	251,503,752

Helium Resources Evaluation	Month	FYTD
Revenue Collected from Federal Lease Holds	\$378,567	\$548,945
Helium Sample Collection Report	Submitted 0	Received 0
Estimated U.S. Helium Reserves	323,000,000	Analyzed 186

Customer Comment Cards Mailed	Month	FYTD
	0	0

* Volumes in Mcf at 14.7 psia & 70°F; all other volumes in 14.65 psia & 60°F

**Rounded to nearest dollar

^ Other sources of helium are accessed but data are not available

Table 5 - Pipeline & Cliffside Field Operations
All Volumes in Mcf at 14.65 psia & 60°F

November - 2002

	1	2	3	4	5	6	7	8
	Month		Fiscal Year		Since Start of Conservation Program		Since Field Discovery	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
Conservation Pipeline								
Beginning of period inventory (1)	39,049	27,334	48,936	34,255	0	0		
Measured to pipeline (2)	263,403	182,147	498,723	343,097	108,489,518	77,541,621		
Measured from pipeline (3)	261,160	179,154	502,956	343,030	42,834,455	30,581,755		
Measured into Bush Dome (4)	0	0	0	0	64,353,584	46,235,012		
Calculated inventory (1+2-3-4)	41,292	30,327	44,703	34,322	1,301,479	724,854		
End of period inventory	47,787	33,451	47,787	33,451	47,787	33,451		
Line gain or (loss)	6,495	3,124	3,084	(871)	(1,253,692)	(691,403)		
Percent gain (loss) of total measured	1.238%	0.865%	0.308%	-0.127%	-0.581%	-0.448%		
Bush Dome Reservoir Operations								
Conservation gases from all sources								
In underground storage, beg. of period	42,997,190	30,987,577	43,146,344	31,097,065	490,620	490,620	0	0
Injected during period to date	0	0	0	0	64,353,855	46,234,973	64,961,755	46,842,873
Withdrawn during period to date	184,633	136,300	333,787	245,788	22,078,067	15,920,465	22,195,347	16,037,745
Helium from Exell-Soncy	0	0	0	0	46,149	46,149	46,149	46,149
Total in underground storage	42,812,557	30,851,277	42,812,557	30,851,277	42,812,557	30,851,277	42,812,557	30,851,277
Native Gas								
Total in place, beg. of period	208,706,774		208,721,080		265,724,755		318,727,000	
Recoverable in place, beg. of period	199,655,774		199,670,080		256,673,755		309,676,000	
Production during period to date	15,579		29,885		57,033,560		110,035,805	
Total in place, end of month	208,691,195		208,691,195		208,691,195		208,691,195	
Recoverable in place, end of month	199,640,195		199,640,195		199,640,195		199,640,195	
Native Gas plus Conservation Gases								
Total gases in place, beg. of period	251,703,964		251,867,424		266,215,375		318,727,000	
Total gases in place, end of month	251,503,752		251,503,752		251,503,752		251,503,752	
Change during period	(200,212)		(363,672)		(14,711,623)		(67,223,248)	
Ave. reservoir pressure, beg. of period	660.5		661.0		685.0		814.1	
Tuck Trigg Reservoir Operations								
Native Gas								
Total in place, beg. of period	5,204,461		5,204,461				5,890,000	
Recoverable in place, beg. of period	4,534,461		4,534,461				5,220,000	
Production during period to date	0		0				685,539	
Total in place, end of month	5,204,461		5,204,461				5,204,461	
Recoverable in place, end of month	4,534,461		4,534,461				4,534,461	
Ave. reservoir pressure, beg. of period	484.2		484.2				548.0	
Natural Gas Sales								
Compressor Operation								
			Totals		Cumulative			
			Month	FYTD	12/01/2000			
November - 2002 NGI Mainline Spot Gas Fuel Price	per/MMBTU		\$4.08	\$3.79	\$3.41			
Amount of Fuel used for the month	total MMBTU		3,455.37	6,196.27	65,968.33			
Natural Gas Purchased for Fuel	\$dollars		\$14,097.92	\$23,471.79	\$224,896.67			
#1 Compressor	hours run		339	390	11,339			
#2 Compressor	hours run		213	711	2,960			
#3 Compressor	hours run		75	179	1,387			